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ABSTRACT

As part of a study of the success of tranfer students as measured by their grade point averages (GPA's), questionnaires were sent to most postsecondary institutions in Pennsylvania. Of the 110 four-year institutions surveyed, 56 (51%) supplied usable data. They reported 2,441 transfers from Pennsylvania community colleges. Of the 2,000 students who remained at their transfer institution for the academic year, 236 (12%) raised their GPA's by more than .5, 701 (35%) dropped their GPA's by more than .5, and 7,063 (53%) maintained their GPA's within .5. Of the 14 community colleges surveyed, only four provided usable data. They reported 523 transfers from four-year institutions; 405 from Pennsylvania and 118 from out-of-state. The GPA's of 287 (55%) of these students increased by more than .5; decreases of more than .5 were seen in the GPA's of 50 (10%) of the students; and 186 (35%) students maintained approximately the same GPA. When statistics from 1976 were compared with those from 1974 and 1975, it was found that transfer students were selecting private institutions at an increasing rate and that the number of students transferring from four-year to two-year institutions had tripled. State-related, state-owned, private state-aided, and private four-year institutions were examined as sub-groups in the study, and information for each college surveyed and reasons for substantial variance in their findings are included in the study report. (Author/MB)

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Success of Transfer Students In Pennsylvania

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JC 790 124

By Agnes Martinko
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Pennsylvania Department of Education
October 1978

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SUMMARY

At the request of the Council of Higher Education, the Research Division of the Bureau of Information Systems in the Pennsylvania Department of Education was asked to collect data on grade-point averages (GPAs) of community college transfer students. We were to determine if there was a change in the student's performance at the institution the student was now attending.

A letter was sent from Commissioner McGuire's Office in May 1978 asking the receiving institutions to indicate how many students transferring to their institution in the fall of 1976 from Pennsylvania community colleges had higher or lower GPAs or GPAs that stayed within + or - .5 after one year at the new institution.

Of the 110 four-year institutions surveyed, 71 institutions responded of which 56 had supplied usable data. The responding four-year institutions reported 2,441 transfers. Of the 2,441 transfers, 441 were not enrolled at the conclusion of the first year in the new institution. Of the 2,000 students who were enrolled at the transfer institution for a year, 236 (12%) raised their GPA more than .5, 701 (35%) students' GPAs dropped more than .5 and 1,063 (53%) of the students had GPAs which stayed within a + or - .5.

The four community colleges who supplied data reported 523 transfers from four-year institutions; 405 from Pennsylvania and 118 from out-of-state. Of the 405 Pennsylvania transfers, 235 (58%) raised their GPA, 37 (9%) had GPAs which dropped and 133 (33%) had GPAs which stayed within + or - .5. No attempt was made to try to determine reasons for variance in the GPAs.

Data collected by the Division of Education Statistics shows a trend for transfers to select private institutions at an increasing rate as all other segments show decreases. The institutions which had a significant change in the rate of transfers are listed individually with possible reasons for the upward or downward shifts.

The community colleges also show variance in the numbers of transfers entering four-year institutions. These trends are also listed.

Perhaps the most dramatic transfer data are found in looking at the number of four-year students transferring into community colleges. This amount has tripled.

Statewide data offers an opportunity to see trends and provides a rough basis for comparison. However, the improvement in articulation between transferring and receiving institutions is dependent upon the interest and dialogue between the involved institutions.

SUCCESS OF TRANSFER STUDENTS IN PENNSYLVANIA

Reason for the Study

At the March 1978 meeting of the Council of Higher Education, the members requested information from the Department of Education regarding the success of transfer students as measured by their grade-point averages (GPAs). There was further discussion regarding the patterns of transfer and the variance among the colleges in handling transfers. The minutes of the meeting state: " . . . staff was requested to prepare a followup study of community college transfer students to both public and private colleges and universities."

Procedures

In order to provide information for the Council of Higher Education, letters requesting GPA information for transfer students were sent to most postsecondary degree-granting institutions in Pennsylvania. The four-year institutions were asked to supply information for transfers to their institutions from Pennsylvania community colleges for the 1976-1977 school year. (Appendix 1)

Pennsylvania community colleges were asked to compare GPAs of the transfers to their college from four-year institutions in Pennsylvania as well as out-of-state four-year institutions. (Appendix 2)

The Supplemental Enrollment Data of Institutions of Higher Education in Pennsylvania, Fall 1976 collected by the Division of Education Statistics, Bureau of Information Systems in the Department of Education was used as the source for the information regarding transfer patterns.

FINDINGS

Data Supplied by Four-Year Institutions

Of the 110 four-year institutions surveyed, 71 (65%) responded. However, only 56 (51%) institutions supplied usable data. The responding institutions reported 2,441 transfers from Pennsylvania community colleges. Of the 2,441 students who

were reported as transfers during the fall of 1976, 441 were no longer enrolled at the conclusion of the academic year. Of the 2,000 students who were enrolled at the transfer institution for a year, 236 (12%) raised their GPA more than .5, 701 (35%) students' GPAs dropped more than .5 and 1,063 (53%) of the students had GPAs which stayed within a + or -.5.

The rise or fall of GPAs according to the segment distribution of the sample is as follows:

GPAs AT FOUR-YEAR INSTITUTIONS
FOR COMMUNITY COLLEGE STUDENTS

	TOTAL TRANSFERS	GPA UP MORE THAN .5		GPA WITHIN + OR - .5		GPA DOWN MORE THAN .5	
		#	%	#	%	#	%
Total	2,000	236	12	1,063	53	701	35
State-Related	276	22	8	140	51	114	41
State-Owned	1,070	106	10	582	54	382	36
Private State-Aided	93	1	1	48	52	44	47
Private	561	107	19	293	52	161	29

It appears that slightly more than half of the transfer students have GPAs which remain within + or - .5 in all segments. The segments with the greatest variance are the State-Aided with only 1% of the 93 students increasing their GPAs at the transfer institution and the Private category where 19% of the 561 students were successful in raising their GPAs.

This data reflects only the quantitative summation of the information supplied by the receiving institutions as a result of the letters of inquiry mailed to most categories of postsecondary institutions. No attempt was made to try to determine reasons for variance in the GPAs.

The number of students no longer enrolled at the conclusion of the academic year was also supplied by the responding institutions. A distribution of the percentage of students no longer enrolled for each of the segments is as follows:

TRANSFERS FROM PENNSYLVANIA COMMUNITY COLLEGES IN FALL 1976
NO LONGER ENROLLED AT THE END OF ONE ACADEMIC YEAR

	TOTAL TRANSFERS	NO LONGER ENROLLED	% NO LONGER ENROLLED
Total	2,441	441	18
State-Related	328	52	16
State-Owned	1,332	262	20
State-Aided	110	17	16
Private	671	110	16

The data supplied indicates that there is no appreciable difference in the retention rate of transfers among the segments. The State-Owned institutions did show a 20% rate of students no longer enrolled while the other three segments all reported that 16% of their fall transfers were no longer enrolled. The State-Owned category is the largest sample of students supplied by the respondents to the survey.

Data Supplied by the Community Colleges

Of the 14 community colleges, nine colleges responded but only four had data to supply regarding GPAs of the students transferring from four-year institutions.

GPAs FOR TRANSFERS TO PENNSYLVANIA COMMUNITY COLLEGES
FROM FOUR-YEAR INSTITUTIONS IN PENNSYLVANIA AND OUT-OF-STATE

	TRANSFERS COMPLETING ONE YEAR	GPA UP MORE THAN .5		GPA WITHIN + OR - .5		GPA DOWN MORE THAN .5	
		#	%	#	%	#	%
Grand Total	523	287	55	186	35	50	10
Total Pennsylvania	405	235	58	133	33	37	9
Total Out-of-State	118	52	44	53	45	13	11

Fifty-eight percent of the students transferring from four-year institutions in Pennsylvania increased their GPAs while 44% of the students transferring from four-year institutions out-of-state increased their GPAs.

There were 28% of the total transfers who were no longer enrolled at the conclusion of the academic year. The percentage was the same for both the Pennsylvania transfers as well as the out-of-state transfers.

Data Supplied by the Division of Statistics

The Division of Statistics within the Pennsylvania Department of Education has collected supplemental enrollment data when requested by the Office of Higher Education. Appendix 3 contains a table of Community College Transfers as Reported by the Receiving Institutions for the Years 1970, 1971, 1974, 1975 and 1976. This data is currently being collected for 1978.

Also included in Appendix 3 is the distribution of the 1,258 transfers from out-of-state community colleges to Pennsylvania four-year institutions.

The number of transfers from community colleges to four-year institutions in 1976 increased 30 students over the 1975 figure. This was an increase of just 1%. The State-Related, State-Owned and State-Aided institutions all had fewer transfers. The Private sector showed an increase of 220 (21%).

The distribution of transfers by segment is as follows:

PENNSYLVANIA COMMUNITY COLLEGE TRANSFERS
TO FOUR-YEAR INSTITUTIONS BY SEGMENT

Segment	1975	1976	Change	Percentage
Total	4,278	4,308	+ 30	+ 1
State-Related	1,652	1,536	-116	- 7
State-Owned	1,384	1,324	- 60	- 4
State-Aided	186	177	- 9	- 5
Private	1,056	1,271	+215	+20

In looking for dramatic shifts during the years that data was collected, it appears that 1974 was a peak year for transfers to State-Related institutions. Both Temple and the University of Pittsburgh greatly increased the number of transfers. Temple has continued their high acceptance rate whereas the University of Pittsburgh has reduced the number of transfers enrolled from 424 in 1974 to 31 in 1976. These data are displayed in Appendix 3.

Certain institutions within the various categories show significant changes in the number of transfer students enrolled. The following is a list of those institutions:

SELECTED INSTITUTIONS SHOWING SIGNIFICANT CHANGES IN TRANSFER ENROLLMENTS

INSTITUTION	1975	1976	Change	Percentage
State-Related				
University of Pittsburgh	201	31	-170	- 85
State-Owned				
Cheyney	22	50	+ 18	+ 82
East Stroudsburg	119	61	- 58	- 49
Indiana	134	179	+ 45	+ 34
Kutztown	217	160	- 57	- 26
Mansfield	58	1	- 57	- 98
State-Aided				
Drexel	76	49	- 27	- 36
Hahnemann	29	14	- 15	- 52
Thomas Jefferson	11	24	+ 13	+118
Private				
Alvernia	45	60	+ 15	+ 33
Duquesne	149	85	- 64	- 43
Gwynedd-Mercy	20	50	+ 30	+150
La Roche	17	34	+ 17	+100
Moravian	47	154	+107	+228
Robert Morris	105	166	+ 61	+ 58
St. Joseph's	13	36	+ 23	+177

Reasons for Above Changes

Each of the colleges or universities that appear in the above listing were contacted to reflect on the changes and to indicate as to whether the reported figures accurately state the transfer picture at those institutions.

The University of Pittsburgh felt that the number of transfers would be increasing again in the 1978 reporting. The fluctuation was seen to reflect university policy regarding admission of transfers with less than 60 credits.

Cheyney felt that the industrial technology and business administration program attracted transfer students.

East Stroudsburg was unable to house all the students wanting accommodations and this affected the number of transfers accepted.

Indiana increased recruitment and extended the quota for the number of transfer students.

Kutztown felt that 160 was a more normal figure and that perhaps the 217 figure was somewhat inflated.

Mansfield thought that the one transfer reported in 1976 was inaccurate data.

Drexel stated that they became a member of the American Collegiate School of Business and that their requirements had an adverse affect on the community college transfers.

Hahnemann altered their admission criteria based on the success factor of previous students.

Thomas Jefferson added three degree programs that attracted additional transfer students.

Alvernia attributed the increase in transfers to better articulation with the community colleges and to the addition of a criminal justice program.

Duquesne needed their space allotments for four-year students.

Gwynedd-Mercy reported that the 50 figure seems high and wasn't aware of much increase.

La Roche felt that crediting the student with 60 credits for the degree rather than counting courses had a favorable influence.

Moravian emphasized recruitment and financial aid. Business and computer programs were helpful in attracting students.

Robert Morris began involving faculty in the admission process. The counseling of new students included more academic concerns and articulation patterns of students in the various programs were shared with the prospective students.

St. Joseph's College was not aware of any influencing factors.

Appendix 5 includes the complete distribution of all Pennsylvania community college transfers in 1976 to four-year institutions as reported by the receiving institutions.

The transfers from each community college are listed separately. The following data are extracted from Appendix 4.

TRANSFERS FROM EACH COMMUNITY COLLEGE FOR 1975 AND 1976

COLLEGE	TRANSFERS 1975	TRANSFERS 1976	CHANGE	PERCENT CHANGE
Allegheny	707	588	-119	- 17
Beaver	69	74	+ 5	+ 7
Bucks	446	465	+ 19	+ 5
Butler	108	123	+ 15	+ 14
Delaware	285	323	+ 38	+ 13
Harrisburg	396	380	- 16	- 4
Lehigh	196	246	+ 50	+ 26
Luzerne	197	210	+ 13	+ 7
Montgomery	562	600	- 38	- 7
Northampton	234	269	+ 35	+ 15
Philadelphia	851	821	- 30	- 4
Reading	64	39	- 25	- 39
Westmoreland	55	84	+ 29	+ 53
Williamsport	108	86	- 22	- 20

A comparison of students enrolling in a four-year Pennsylvania institution by each community college for the years 1975 and 1976 shows that eight colleges increased their transfers and six showed a drop in transfers. The biggest percentage increase (+53%) occurred at one of the newer colleges, Westmoreland County Community College.

The largest percentage decrease occurred at Reading Area Community College (-39%). The largest decrease in the number of students was at the Community College of Allegheny County where there was a drop of 119 students. Although there has been a continual modest increase in the numbers of transfers from community colleges to four-year institutions in Pennsylvania, there is great variance in the transfer activity among the colleges.

TRANSFERS FROM FOUR-YEAR INSTITUTIONS TO COMMUNITY COLLEGES

When the collection of community college data began, the main interest was in measuring the impact of students entering four-year institutions at an upper-division level and to identify those institutions receiving the greatest number of students. Now, however, transfer activity at community colleges has become a two-way street. Perhaps the most dramatic transfer data are found in looking at tne number of four-year students transferring into community colleges. Below are the data collected by the Division of Education Statistics from the receiving colleges:

TRANSFERS FROM FOUR-YEAR PENNSYLVANIA INSTITUTIONS
TO COMMUNITY COLLEGES IN PENNSYLVANIA
FOR 1974, 1975 AND 1976

TRANSFERS BY CLASS	1974	1975	1976
Total	536	1,905	1,714
Freshmen	450	1,608	1,499
Sophomores	86	297	215

It will be interesting to see if the 1978 data will continue to remain high or will taper back to near 1974 levels. The "reverse transfer" has become a national trend, however, and has generated a number of journal articles.

Conclusion

The main intent of this report was to determine, in some expeditious way, the success of transfer students after one year at the transfer institution. The evidence collected suggests that 53 percent of community college transfer students have GPAs which stay about the same while 35 percent drop when transferring to a four-year institution. Transfers from four-year colleges and universities have a greater tendency (58%) to increase their GPAs when transferring to the community college.

Reasons for the difference were not explored nor was there any attempt made to compare the GPAs during the students' second year at the transfer institution. Knoll and Medsker have done extensive research on a national level which demonstrate that although it is common to have GPAs drop during the first year that a community college student transferred to the four-year institution, the community college students were indistinguishable by GPA from the native population at the transfer institution during the second year.

The transfer data collected on a statewide basis offers the institutions an opportunity to make a comparative analysis and to determine if the data reflects their particular mission. It offers all institutions and planning agents an opportunity to see where changes are occurring.

In order to improve articulation between transferring and receiving institutions, there is a continual need for adequate information, dialogue between institutions and procedures that enable the student to meet his or her education goals.

APPENDIX 1

May 9, 1978

SUBJECT: Success of Transfer Students

TO: Admissions Director
Four-Year Institutions of Higher Education

FROM: Edward C. McGuire
Commissioner for Higher Education

At the March 1978 meeting of the State Board of Education, PDE staff was requested to prepare a followup study of transfer students to both public and private colleges and universities.

In comparison to their grade-point averages at their community college, how many transfers from Pennsylvania community colleges were in the following categories by the end of the 76-77 school year:

Total Fall '76 Transfers from C.C.	GPA Up More than .5	GPA Within + .5 or - .5	GPA Down More than .5	No Longer Enrolled

You may complete the information directly on this memo and return by July 1, 1978 to:

Agnes Martinko
PA Department of Education
Bureau of Information Systems
Box 911
Harrisburg, PA 17126

Additionally, if you have completed a study on community college transfers and/or transfers in general, please send a copy to us. Your assistance will be greatly appreciated.

COMMONWEALTH OF PENNSYLVANIA

APPENDIX 2

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May 9, 1978

SUBJECT: Success of Transfer Students

TO: Admissions Director
Community Colleges

FROM: Edward C. McGuire
Commissioner for Higher Education

At the March 1978 meeting of the State Board of Education, PDE staff was requested to prepare a followup study of transfer students to both public and private colleges and universities.

In comparison to grade-point averages at their previous institution, how many transfers from four-year institutions were in the following categories by the end of the 76-77 school year:

Total Fall '76 4-year Transfers	GPA Up More than .5	GPA Within + .5 or - .5	GPA Down More than .5	No Longer Enrolled
_____ (from Pennsylvania)	_____	_____	_____	_____
_____ (from out-of-state)	_____	_____	_____	_____

You may complete the information directly on this memo and return by July 1, 1978 to:

Agnes Martinko
PA Department of Education
Bureau of Information Systems
Box 911
Harrisburg, PA 17126

Additionally, if you have completed any studies on transfers or a followup on your own transfer students, please send a copy to us. Your assistance will be greatly appreciated.

COMMUNITY COLLEGE TRANSFERS AS REPORTED
BY THE RECEIVING INSTITUTIONS FOR THE YEARS
1970, 1971, 1974, 1975 AND 1976

INSTITUTION	PENNSYLVANIA					OUT-OF-STATE
	1970	1971	1974	1975	1976	1976
Grand Total	2457	3306	4001	4278	4308	1258
Total State-Related	840	1170	1912	1652	1536	275
Lincoln	3	3	4	3	-	-
Penn State	359	520	523	440	419	123
Temple	402	568	961	1008	1086	141
University of Pittsburgh	76	79	424	201	31	11
Total State-Owned	845	1235	1128	1384	1324	368
Bloomsburg	105	132	88	110	116	24
California	101	89	91	58	51	9
Cheyney	45	45	19	22	50	15
Clarion	21	58	48	43	67	12
East Stroudsburg	53	81	115	119	61	66
Edinboro	22	58	58	64	72	18
Indiana University	12	66	107	134	179	25
Kutztown	53	100	-	217	160	-
Lock Haven	35	37	38	37	32	19
Mansfield	77	126	67	58	1	-
Millersville	85	113	136	109	106	32
Shippensburg	38	55	73	63	80	32
Slippery Rock	94	108	116	110	96	74
West Chester	104	167	172	240	253	42
Total Private State-Aided	152	170	194	186	177	144
Delaware Valley	18	9	16	21	19	24
Dickinson (Law)	-	-	4	-	-	-
Drexel	29	34	78	76	49	42
Hahnemann	14	13	10	29	14	8
Medical College of PA	-	2	-	-	-	-
PA Optometry	-		-	-	-	-
PA Podiatry	-	-	-	-	-	-
Philadelphia Art	6	12	14	24	22	3
Philadelphia Osteo.	-	-	-	-	-	-
Philadelphia Textile	44	61	22	25	21	20
Thomas Jefferson	2	2	15	11	24	4
University of PA	39	37	35	-	28	43

COMMUNITY COLLEGE TRANSFERS AS REPORTED
BY THE RECEIVING INSTITUTIONS FOR THE YEARS
1970, 1971, 1974, 1975 AND 1976
(Continued)

INSTITUTION	PENNSYLVANIA					OUT-OF-STATE
	1970	1971	1974	1975	1976	1976
Total Private	620	731	771	1056	1271	471
Academy of the New Church	-	2	3	2	-	-
Albright	3	3	1	5	-	4
Allegheny	-	2	8	3	-	2
Allentown-St. Francis	8	3	5	4	9	1
Alliance	1	4	37	2	1	1
Alvernia	1	1	1	45	60	9
Antioch/Philadelphia	-	-	-	-	7	2
Baptist Bible	2	1	-	-	1	8
Beaver	-	13	11	9	14	1
Bryn Mawr	1	2	-	-	-	-
Bucknell	1	1	-	2	1	5
Cabrini	4	2	7	12	8	-
Carlow	8	10	7	19	8	2
Carnegie-Mellon	12	9	9	10	19	5
Cedar Crest	-	5	4	7	7	5
Chatham	-	3	6	5	1	-
Chestnut Hill	1	2	2	1	6	3
College Misericordia	6	8	25	26	33	3
Combs	-	2	-	-	-	-
Curtis	-	-	-	-	5	-
Dickinson	5	4	5	6	-	3
Dropsie	-	-	-	-	-	-
Duquesne	64	80	-	149	85	24
Eastern	6	3	-	7	11	7
Elizabethtown	-	23	19	14	18	9
Franklin & Marshall	2	2	-	4	-	3
Gannon	10	11	6	4	1	11
Geneva	4	10	20	10	22	15
Gettysburg	-	-	1	-	1	-
Gratz	-	-	-	-	-	-
Grove City	4	6	8	6	5	4
Gwynedd-Mercy	5	5	25	20	50	8
Haverford	-	1	-	-	2	1
Holy Family	8	3	5	4	11	-
Immaculata	-	4	-	2	1	-
Juniata	2	5	3	3	6	8
King's	56	55	53	46	44	8
Lafayette	4	-	2	9	4	2
Lancaster Bible	-	-	1	1	3	7
LaRoche	7	12	13	17	34	4
LaSalle	76	86	-	84	74	20
Lebanon Valley	1	6	13	11	4	13
Lehigh	7	14	9	21	20	4
Lycoming	8	6	29	19	19	10
Marywood	2	1	1	3	3	4
Mercyhurst	58	-	2	6	10	8

COMMUNITY COLLEGE TRANSFERS AS REPORTED
BY THE RECEIVING INSTITUTIONS FOR THE YEARS
1970, 1971, 1974, 1975 AND 1976
(Continued)

INSTITUTION	PENNSYLVANIA					OUT-OF-STATE
	1970	1971	1974	1975	1976	1976
Private (continued)						
Messiah	3	22	9	7	5	7
Moore	3	7	-	11	6	8
Moravian	28	27	44	47	154	28
Muhlenberg	8	7	4	5	2	2
New School of Music	-	-	-	-	-	3
Our Lady of Angels	-	-	1	19	15	20
Philadelphia Bible	2	5	28	6	7	20
Phila. Par. & Sci.	-	5	-	3	1	3
Phila. Musical	-	-	2	5	-	-
Point Park	-	-	22	26	37	20
Reconstructionist Rabbinical	-	-	-	-	-	-
Robert Morris	62	59	72	105	166	6
Rosemont	-	1	2	10	11	-
St. Fidelis	-	-	1	-	-	-
St. Francis	1	3	2	7	2	4
St. Joseph's	23	35	94	13	36	8
St. Vincent	8	5	16	14	19	-
Seton Hill	3	5	6	9	9	2
Spring Garden	26	18	16	30	36	4
Susquehanna	6	3	5	-	-	-
Swarthmore	1	2	-	-	-	-
Thiel	1	3	-	5	5	4
United Wesleyan	-	-	1	1	-	12
University of Scranton	-	1	3	7	6	6
Ursinus	3	9	7	6	13	2
Villa Maria	-	2	-	-	1	2
Villanova	11	11	14	16	18	14
Washington and Jefferson	1	-	2	5	6	-
Waynesburg	5	8	2	2	8	7
Westminster	3	2	3	6	3	7
Widener	14	19	24	42	31	25
Wilkes	22	37	14	29	33	-
Wilson	1	3	5	-	-	4
York	8	22	31	20	33	29

UNIVERSITY OF CALIF.
LOS ANGELES

MAR 16 1979

CLEARINGHOUSE FOR
JUNIOR COLLEGES

APPENDIX 4

COMMUNITY COLLEGE TRANSFERS AS REPORTED BY RECEIVING INSTITUTIONS
SUMMER AND FALL, 1976

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Grand Total	465	123	588	74	323	821	380	246	210	600	269	39	84	86	4308
Total State Related	217	9	51	4	79	560	189	49	18	275	45	2	14	24	1536
Lincoln															
Penn State	45	6	40	3	25	6	170	32	18	24	26	2	7	15	419
Temple	172	1	2	1	52	554	15	16		250	19			4	1086
University of Pittsburgh		2	9		2		4	1		1			7	5	31
Total State-Owned	124	86	188	33	131	85	131	107	81	169	96	19	36	38	1324
Bloomsburg	14		1		2	2	11	17	26	13	15			15	116
California	2	2	33							2			12		51
Cheyney			3		2	43				1				1	50
Clarion	2	6	14	1			6		1	2	31		3	1	67
East Stroudsburg	9		1		2	2		19	14	12				2	61
Edinboro	1	10	43	4			3	1	2	4			4		72
Indiana University	11	23	70	11	5	3	17	1	4	6	12		14	2	179
Kutztown	18	1	1		3	4		60	5	28	28	12			160
Lock Haven	10		1	1		1	5	1	2	1	1			9	32
Mansfield					1										1
Millersville	17		1		10	6	28	2	4	21	7	5		5	106
Shippensburg	10	1	1	1	7	1	36	1	14	5				3	80
Slippery Rock	6	43	18	15	1			2	7			1	3		96
West Chester	24		1		98	23	25	3	2	74	2	1			253

APPENDIX 4 (Continued)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Total Private State-Aided	37				28	72	2	2	1	33	1			1	177
Delaware Valley	8				3	1		2		4	1				19
Dickinson (Law)															
Drexel	15				11	12	1			10					49
Hahnemann	2				1	9	1			1					14
Medical College of Pa.															
Pa. Optometry															
P. Podiatry															
Philadelphia Art	1				3	11			1	5				1	22
Philadelphia Osteo.															
Philadelphia Textile	2				3	11				5					21
Thomas Jefferson	5				3	11				5					24
University of Pa.	4				4	17				3					28
Total Private	87	28	349	37	85	104	58	88	110	123	127	18	34	23	1271
Academy of the New Church															
Albright															
Allegheny															
Allentown-St. Francis	1				1			3	1		3				9
Alliance				1											1
Alvernia	2	5	3	1		1	6	16		5		17	4		60
Antioch/Philadelphia	1					4				2					7
Baptist Bible	1														1
Beaver	3					4				7					14
Bryn Mawr															
Bucknell														1	1
Cabrini	1				2	4				1					8
Carlow			8												8
Carnegie-Mellon			17					1					1		19
Cedar Crest	1						1	2	1		2				7

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APPENDIX 4 (Continued)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (continued)															
Chatham			1												1
Chestnut Hill	2									4					6
College Misericordia	1								32						33
Combs															
Curtis							5								5
Dickinson															
Dropsie															
Duquesne		1	80	3									1		85
Eastern					2	1		1		6	1				11
Elizabethtown	1						16			1					18
Franklin & Marshall															
Gannon			1												1
Geneva		2	6	10					1	2				1	22
Gettysburg							1								1
Gratz															
Grove City		5													5
Gwynedd-Mercy	12					6		1		25	6				50
Haverford	1					1									2
Holy Family	5					4			1	1					11
Immaculata										1					1
Juniata		1					1	2		1				1	6
King's			1			1		2	39	1					44
Lafayette											4				4
Lancaster Bible					1		1			1					3
LaRoche		2	28	2	2										34
LaSalle	23					37				14					74
Lebanon Valley							2		1	1					4
Lehigh			1		1			6		2	10				20
Lycoming	1						1			1				16	19
Marywood											2			1	3
Mercyhurst			6	3						1					10
Messiah		1				1	3								5
Moore	1				1	4									6

APPENDIX 4 (Continued)

Institution	Bucks	Butler	Allegheny	Beaver	Delaware	Philadelphia	Harrisburg	Lehigh	Luzerne	Montgomery	Northampton	Reading	Westmoreland	Williamsport	Total
Private (continued)															
Moravian	5	1				1		46		3	98				154
Muhlenberg								2							2
New School of Music															
Our Lady of Angels					13	1				1					15
Philadelphia Bible	2				1	3		1							7
Phila. Phar. & Sci.										1					1
Phila. Musical															
Point Park			37												37
Reconstructionist Rabbinical															
Robert Morris		5	141	16									4		166
Rosemont					6	2				3					11
St. Fidelis															
St. Francis			1							1					2
St. Joseph's	1				16	13				6					36
St. Vincent			3										16		19
Seton Hill		1	3										5		9
Spring Garden	7				5	13	1	1	2	7					36
Susquehanna															
Swarthmore															
Thiel			2	1						1			1		5
United Wesleyan															
University of Scranton	1								3	1	1				6
Ursinus	2									10				1	13
Villa Maria		1													1
Villanova	4				5	1			1	7					18
Washington and Jefferson			5				1								6
Waynesburg	2		2			2							2		8
Westminster		1	2												3
Widener	3				27					1					31
Wilkes	2		1					1	27					2	33
Wilson															
York	1	2			2		19	3	1	4		1			33